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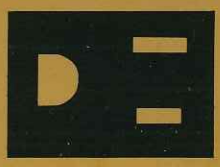
A.I.A. FILE NO. 31C-62

SURFACE METAL RACEWAYS

MULTI-OUTLET SYSTEMS

WIREMOLD®



A.I.A. FILE NO. 31C-62

SURFACE WIRING SYSTEMS FROM PANEL BOX TO OUTLET

Wiremold Raceway Systems and Multi-Outlet Systems offer a practical approach to wiring for all types of buildings. Rugged all-steel raceways and fittings protect wiring from mechanical injury. Smart and finished in appearance, Wiremold systems are designed for easy future changes.

NEW CONSTRUCTION

Today's accent on solid-wall construction makes surface systems the only practical way to wire many buildings.

A perimeter wiring system — with surface wiring around an entire building — is a highly versatile wiring arrangement. It makes space changes economically feasible. Branch wiring for interior areas can be installed, rearranged, or expanded at any time. Such a system defies obsolescence.

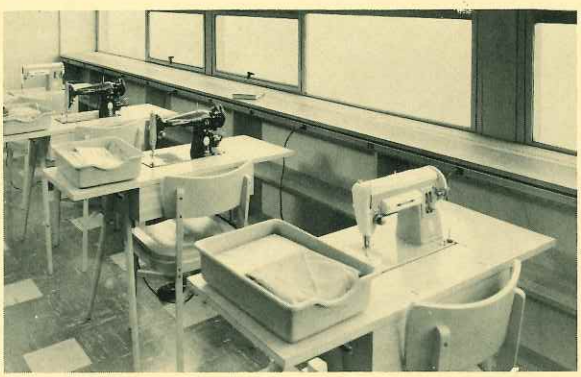
EXISTING BUILDINGS

Many of the complications in planning and estimating rewiring of existing buildings are eliminated by using Wiremold systems. With the raceway system on the surface, you can figure requirements easily, estimate accurately — and it can be installed with fewer job interruptions.

APPROVED

- Listed by Underwriters' Laboratories, Inc.
- Listed by Canadian Standards Association.
- Conforms to Federal Specifications W-C-582.
- Installed by electrical contractors everywhere.

WIREMOLD SURFACE METAL RACEWAYS
School auditorium uses surface raceway for general illumination branch circuits on laminated beam ceiling.



PLUGMOLD SYSTEMS WITH PREWIRED OUTLETS
Outlets in sewing room are close to point of use. Plugmold 2000 eliminates hazard of dangling, unsightly cords.

PLUGMOLD SYSTEMS FOR IN-FIELD WIRING
In laboratory, Plugmold G-6000 system makes neat installation. Outlets of many types can be located where needed.

DIVIDED RACEWAY
Telephone and power wiring are held in separate compartments in Plugmold G-4000. Both runs have built-in capacity for future.

WIREMOLD®

SURFACE METAL RACEWAYS

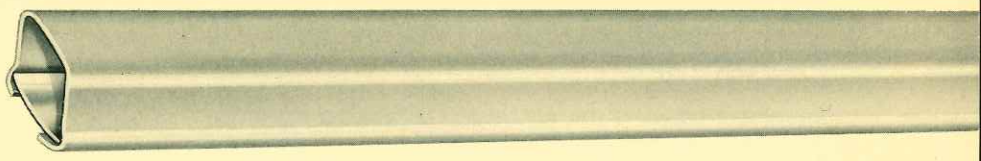
Wiremold surface metal raceways are available in a variety of sizes. Each can be a complete wiring system in itself, or can be interconnected with existing wiring or with other Wiremold systems. Wiremold fits snugly against the surface — gives a neat, finished appearance to the wiring job.

SPECIFICATIONS

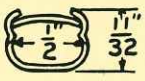
All branch circuit wiring shall be installed in Wiremold Surface Metal Raceway.

WIREMOLD

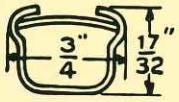
ONE-PIECE RACEWAYS



Four sizes are available, with a wide variety of fittings to meet every need.



No. 200



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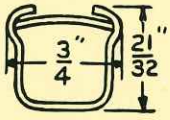

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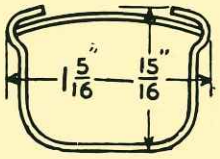


No. 1000

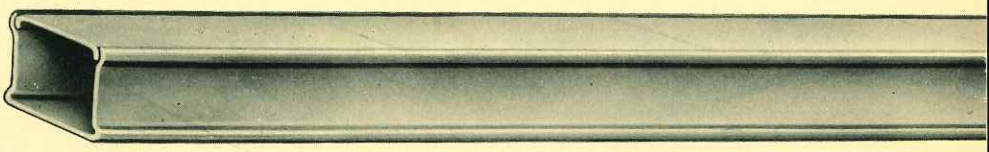
WIRE CAPACITY

WIREMOLD	WIRE TYPES*	Conductor Size No. 6	No. 8	No. 10	No. 12	No. 14
No. 200	R, RH	—	—	—	2	2
	RU, T, TW	—	—	—	3	3
	THWN	—	—	—	3	3
No. 500	R, RH	—	—	2	2	3
	RU, T, TW	—	2	3	4	5
	THWN	—	2	4	7	8
No. 700	R, RH	—	—	2	3	4
	RU, T, TW	—	3	5	6	8
	THWN	2	3	6	10	11
No. 1000	R, RH	4	5	6	10	10
	RU, T, TW	5	8	8	10	10
	THWN	6	10	10	18	21

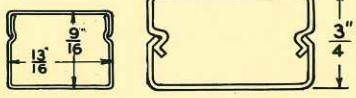
*Size of conductors as shown in N.E.C. Table 5.

WIREMOLD

TWO-PIECE RACEWAYS

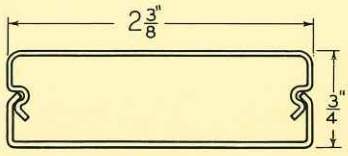


The two-piece raceways shown below are also widely used as surface wiring systems, with or without electrical devices. Pancake® 1500, 2600, and 2800 Overfloor Raceway systems are used for installing wiring at away-from-wall locations. Descriptions and capacities of 2000, 2100, 2200, 3000, G-4000, and G-6000 are given on pages 5-8.

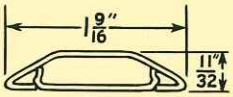


No. 1900

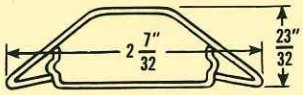
No. 2000



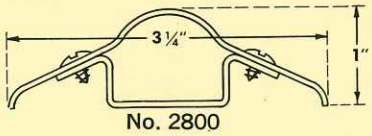
No. 2200



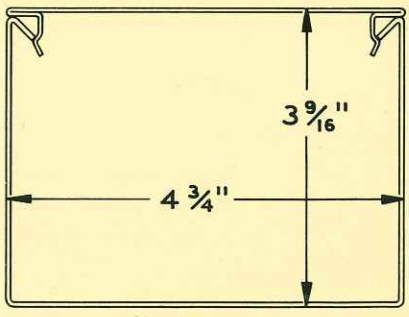
No. 1500



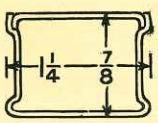
No. 2600



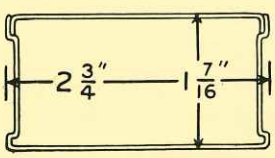
No. 2800



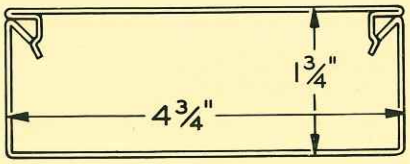
No. G-6000



No. 2100



No. 3000



No. G-4000

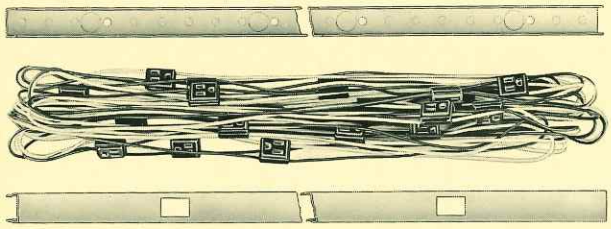
PLUGMOLD®

MULTI-OUTLET SYSTEMS WITH PREWIRED OUTLETS

Plugmold multi-outlet systems, with predetermined outlet spacings, are available in two prewired forms: Snapicoil, and Wired Sections. They are described at left.

SNAPICOIL®

Snapicoil consists of a factory wired harness of receptacle outlets and the required amount of raceway base and cover. Long, continuous runs can be installed without the need for multiple splices. All the electrician needs on the job are Snapicoil and a few simple fittings.



WIRED SECTIONS

For use where a few short sections are needed (Plugmold 2000 only). Prewired receptacles are furnished installed in raceway cover. Raceway base included.

PLUGTRIM® 1900T Quarter Round

A steel quarter-round channel for low potential wiring (telephone, signal and inter-office communications). Used with Plugmold 1900, 2000, 2100 and 2200. Capacity, 16 pair telephone cable.

3 GROUNDING SYSTEMS

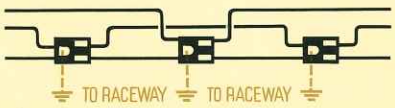
Wiremold grounding receptacles, 15A, 125V, have double wipe contacts. They are wired with No. 12 type TW conductors. Three equipment grounding systems are available:

G SERIES

2-Wire, Single-Circuit, Grounding

The standard, most widely used grounding receptacle system for Plugmold 2000 and 2200. Raceway serves as grounding conductor.

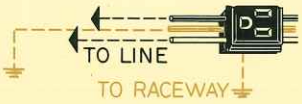
GA SERIES



3-Wire, 2-Circuit, Grounding
Outlets wired alternately

Used where multiple circuits are required. Raceway serves as grounding conductor.

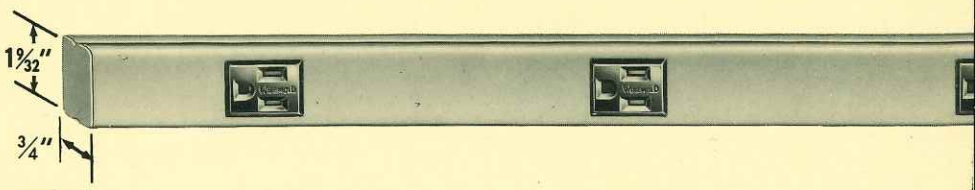
GB SERIES



3-Wire, Single-Circuit, Grounding
Green insulated conductor serves as grounding means

The ultimate for equipment grounding — used in conjunction with extremely sensitive equipment such as certain electronic instruments. Used where there is a need for a "super-grounding" system to eliminate undesirable side effects of noise and electrical interference sometimes caused by grounding resistance.

PLUGMOLD 2000



DESCRIPTION

Compact, all-steel raceway with outlets spaced at regular intervals. Two types:

Snapicoil

48′ long coils have outlets spaced 6″, 12″, or 18″ on centers; raceway lengths are 6′.

50′ and 500′ coils have outlets spaced 30″ or 60″ on centers; raceway lengths are 5′.

Wired Sections

Outlets are spaced 6″, 9″, 12″, or 18″ on centers. Sections are 1′, 3′, 5′, and 6′ long.

DEVICES

15A, 125V Wiremold grounding type receptacles. Also available, single-pole and 3-way switches.

FINISH: Buff or gray

WIRE CAPACITY

	WIRE TYPES*	Conductor Size No. 12	Conductor Size No. 14
with devices	RU, T, TW	4	4
without devices	R, RH, RU, T, TW THWN	3	3

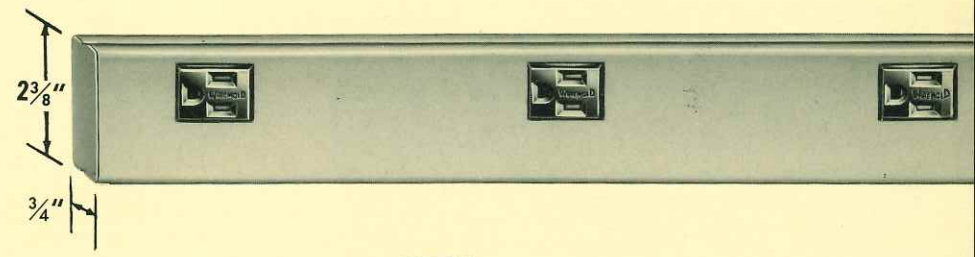
*Size of conductors as shown in N.E.C. Table 5.

SPECIFICATIONS

All 20-amp circuits for receptacle outlets shall be installed as a multi-outlet system in Plugmold 2000 and in accordance with the requirements of the 1965 National Electrical Code, Article 220, Section 220-2(c3), and Article 353.

PLUGMOLD 2200

BASEBOARD



DESCRIPTION

Combines a functional, all-steel baseboard, a multi-outlet system, and a metal raceway system with capacity for additional circuits.

Snapicoil

48′ long coils have outlets spaced 18″ on centers; raceway lengths are 6′.

50′ and 500′ coils have outlets spaced 30″ or 60″ on centers; raceway lengths are 5′ (10′ lengths also available).

DEVICES

15A, 125V Wiremold grounding type receptacles. Also available, single-pole and 3-way switches. Other single devices (with face diameter of 1 13/32″ and max. depth of 1 5/16″) can be mounted anywhere in the run by using No. 2246A Single Receptacle Cover.

FINISH: Buff or gray

WIRE CAPACITY

	WIRE TYPES*	Conductor Size No. 6	No. 8	No. 10	No. 12	No. 14
with devices	RU, T, TW	3	7	10	10	10
without devices	R, RH	—	4	6	10	10
	RU, T, TW	5	8	10	10	10
	THWN	7	10	12	13	14

*Size of conductors as shown in N.E.C. Table 5.

SPECIFICATIONS

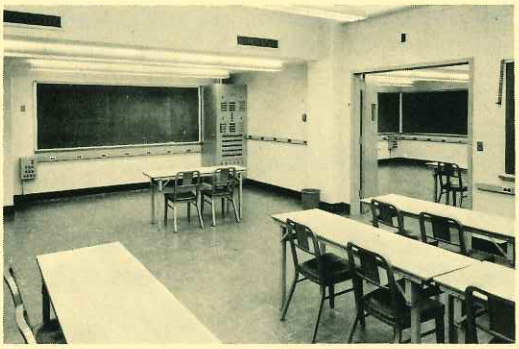
All 20-amp circuits for receptacle outlets shall be installed in Plugmold 2200 in accordance with the requirements of the 1965 National Electrical Code, Article 220, Section 220-2(c3), and Article 353. Plugmold 2200 shall serve as a combination baseboard, multi-outlet system, and raceway for perimeter wiring.

PLUGMOLD®

MULTI-OUTLET SYSTEMS FOR IN-FIELD WIRING

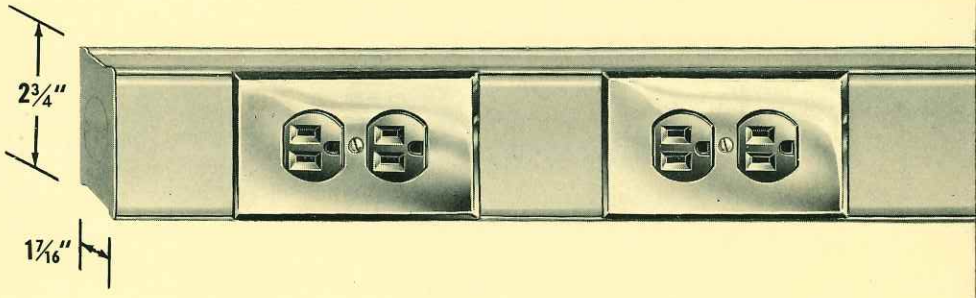
The Plugmold systems described on pages 6-8 are furnished unwired. Outlets can be spaced as desired, and may be added to or replaced without disturbing the rest of the system. These systems cover a wide range of needs from 15 to 50 amp devices.

PLUGMOLD 2100 system is flush with the convector housing. System is painted to blend with walls.



PLUGMOLD 3000 provides engineering classroom with plenty of outlets for demonstration equipment.

PLUGMOLD 3000



DESCRIPTION

A large, all-steel raceway for use with devices rated up to 50 amperes.

DEVICES

Any device designed for a single-gang box can be installed wherever desired within the raceway. Commercially available flush plates, or Wiremold receptacle covers, can be used. Housings for circuit breakers and other circuit protective devices are also available.

FINISH: Buff or gray

WIRE CAPACITY

	WIRE TYPES*	Conductor Size No. 6	No. 8	No. 10	No. 12	No. 14
without devices	R, RH	10	14	20	40	44
	RU, T, TW	14	16	20	42	56
	THWN	13	18	24	55	75
with devices▲	R, RH, RHH, RHW, RH-RW, RW	4	6	10	14	16
	T, THW, TW, RU, RUH, RUW	6	8	10	18	26

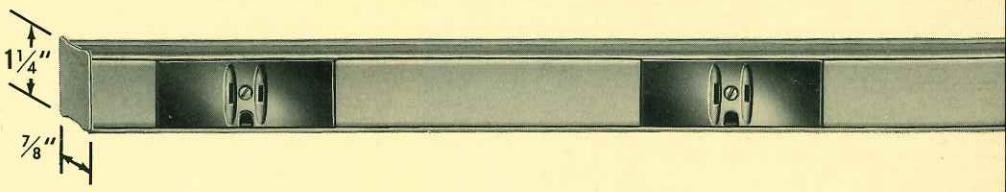
▲With standard flush-mounted snap switches and attachment plug receptacles of type not having pilot lights.
*Size of conductors as shown in N.E.C. Table 5.

SPECIFICATIONS

For Multi-Outlet Systems: All receptacle outlets shall be installed as a multi-outlet system in Plugmold 3000 and in accordance with the requirements of the 1965 National Electrical Code, Article 210, Section 210-21(b), and Article 353.

For Sub-Feeder Systems: Sub-feeders shall be run in Wiremold 3000.

PLUGMOLD 2100



DESCRIPTION

A compact, all-steel raceway for use with 15A, 125V; 15A, 250V; 15A, 277V; and 20A, 125V Wiremold devices.

DEVICES

The following Wiremold devices can be installed wherever desired within the raceway:

- 2-Wire grounding receptacles
- 3-Wire grounding receptacles
- Lumiline single receptacle
- Single-pole switch
- Keyless socket

Commercially available devices designed for 1-, 2-, and 3-gang boxes can be used by installing No. 2141 type (shallow) or No. 2144 type (extra deep) switch and receptacle boxes wherever desired along the run.

FINISH: Buff or gray

WIRE CAPACITY

		Conductor Size				
	WIRE TYPES*	No. 6	No. 8	No. 10	No. 12	No. 14
without devices	R, RH	4	6	10	14	17
	RU, T, TW	5	8	10	14	17
	THWN	6	10	12	18	23
with devices	consult Wiremold Catalog					

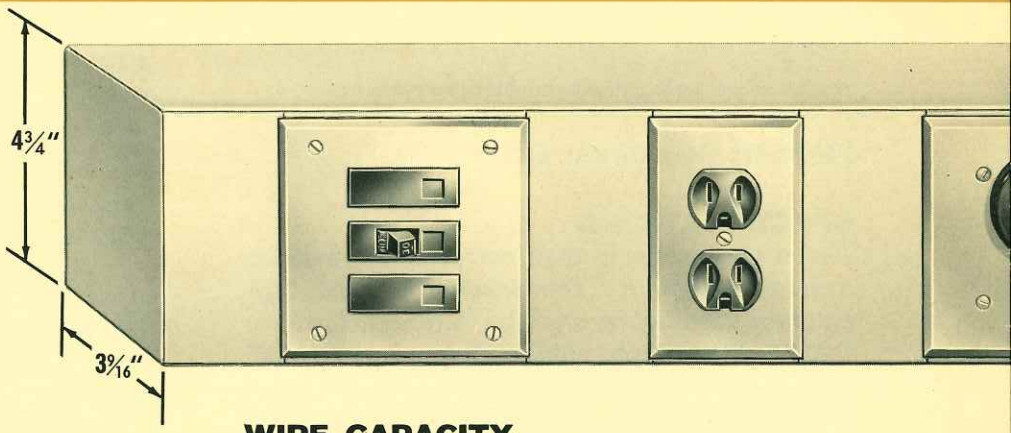
*Size of conductors as shown in N.E.C. Table 5.

SPECIFICATIONS

For Multi-Outlet Systems: All 15-amp and 20-amp circuits for receptacle outlets shall be installed as a multi-outlet system in Plugmold 2100 and in accordance with the requirements of the 1965 National Electrical Code, Article 210, Section 210-21(b), and Article 353.

For Group Branch Circuits: Group branch circuits for receptacles shall be installed in Wiremold 2100.

PLUGMOLD G-6000



DESCRIPTION

An extra large, standard multi-outlet system for use where a concentration of devices is required. Raceway has ample room for a variety of services. G-6000 with its snap-in cover is smooth and uncluttered — a credit to any wiring installation.

DEVICES

Devices designed for a single- or two-gang box can be installed wherever desired within the raceway. Commercially available flush plates are used. Housings for circuit breakers and other circuit protective devices are also available.

FINISH: Baked gray enamel.

WIRE CAPACITY

FOR WIRE TYPES*: R, RH, RHW, RU, RUH, RUW, RW, T, THW, THWN, TW

	Conductor Size				
	No. 6	No. 8	No. 10	No. 12	No. 14
without devices	24	40	66	78	98
with devices	20	27	38	54	61

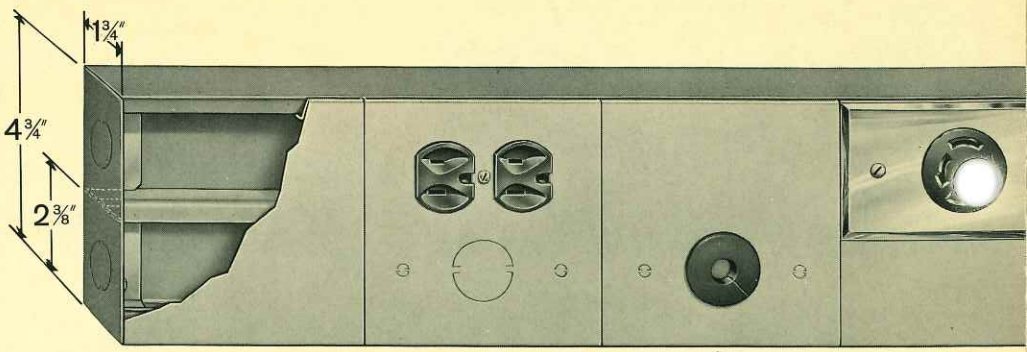
*Size of conductors as shown in N.E.C. Table 5.

SPECIFICATIONS

For Multi-Outlet Systems: Special service receptacle outlets shall be installed as a multi-outlet system in Plugmold G-6000 and in accordance with the requirements of the 1965 National Electrical Code.

For Sub-Feeder Systems: Sub-feeders shall be run in Wiremold G-6000.

PLUGMOLD G-4000



DESCRIPTION

A very large, low profile raceway for use with or without a channel divider strip.

With the divider, G-4000 is a combination raceway with separate compartments for power and for communication circuits in one raceway. Without divider, full capacity of the raceway can be used either for power or for communication circuits.

DEVICES

With divider, accepts devices up to 20 amps. Without divider, accepts devices up to 50 amps. Max. depth of devices, 1⅝".

COMMUNICATIONS WIRING

With divider strip, the low-potential compartment accepts telephone devices designed for single-gang box. Telephone Jack No. 493A*, Connecting Block No. 47B*, Type 30* Multi-Terminal Blocks (for Planned Telephone Systems) and Amphenol connectors*, can be mounted in the low-potential compartment.

*Bell System code numbers; items not supplied by The Wiremold Co.

FINISH: Gray. Divider, buff, one side.

SPECIFICATIONS

The surface-mounted dual compartment metallic raceway system for combination low and high potential distribution shall be Wiremold Cat. No. G-4000. The raceway shall be approximately 1¾" deep x 4¾" wide, composed of a single base member G-4000B, a single cover G-4000C and a divider G-4000D. The raceway shall be constructed of cold rolled galvanized steel. Thickness of base shall be .050"; thickness of cover, .040". Outside surfaces of base and cover shall be gray baked enamel. Thickness of divider shall be .040" with buff primer on one side only for identification.

POWER AND LIGHT WIRE CAPACITY

With Divider (Power compartment only)

WIRE TYPES	Conductor Size: without devices No.6	No.8	No.10	No.12	No.14	with devices No.6	No.8	No.10	No.12	No.14
R, RH, RHW, RU, RUH, RUW, TW, T, THW, RW	6	10	16	22	25	4	7	11	15	17
THWN, THHN	10	12	21	32	44	7	8	15	24	32

Without Divider

WIRE TYPES	Conductor Size: without devices No.6	No.8	No.10	No.12	No.14	with devices No.6	No.8	No.10	No.12	No.14
RH, RHW, RUH, THW	12	14	14	37	42	8	10	15	21	21
R, RU, RUW, T, TW, RW	12	14	14	37	42	8	10	12	16	17
THWN	12	15	32	70	70	10	15	18	34	34
THHN	20	26	38	70	70	10	15	18	34	34

TELEPHONE WIRE & CABLE CAPACITY

With Divider (For capacity without divider, double the figures below.)

WIRE TYPE:	JKT-2	JKT-3	JKT-4
without devices	70	60	50
with No. 47B Connecting Block, or No. 493A Telephone Jack	35	30	25

6-pair cables: 19
12-pair cables: 12
16-pair cables: 9
25-pair cables: 7
50-pair cables: 4
75-pair cables: 3
100-pair cables: 2

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